

## Ramirez's JM | List of Publications

### Publications with peer review process:

1. **Ramirez-Velasquez, J.M.**, Jaime Klapp, Russland Gabbasov, Fidel Cruz and Leonardo Di G. Sigalotti (2018): Impetus: Consistent Smoothed particle hydrodynamics Simulations of Black Hole 3D Spherical Accretion. **Monthly Notice of the Royan Astronomy Society (SJR=2.35)**, 477, 4, p4308.
2. Leonardo Di G. Sigalotti, Russland Gabbasov, Fidel Cruz, Jaime Klapp and **Ramirez-Velasquez, J.M.**. (2018): From large-scale to protostellar disk fragmentation into close binary star. **The Astrophysical Journal (SJR=2.68)**, 857, 11.
3. Russland Gabbasov, Leonardo Di G. Sigalotti, Fidel Cruz, Jaime Klapp and **Ramirez-Velasquez, J.M.**. (2017): Consistent SPH Simulations of Protostellar collapse. **The Astrophysical Journal (SJR=2.68)**, Vol 835, p25.
4. **Ramirez-Velasquez, J.M.**, Jaime Klapp, Russland Gabbasov, Fidel Cruz and Leonardo Di Sigalotti (2016): Impetus: “New Cloudys radiative tables for accretion onto a galaxy black hole”. *The Astrophysical Journal Supplementary (SJR=4.66)*, Vol 226, p13.
5. **Ramirez, J.M.** (2013): Chandra LETGS observation of the variable NLS1 galaxy Ark 564. In: **Astronomy & Astrophysics (SJR=2.66)**, Volume 551, A95, 1-12.
6. **Ramirez, J.M.**, Tombesi F. (2012): On the X-ray low- and high-velocity outflows in active galactic nuclei. In: **Monthly Notices of the Royal Astronomical Society: Letters (SJR=2.37)**, Volume 419, Issue 1, L64-L68.
7. **Ramirez, J.M.** (2011): Kinematics from spectral lines for AGN outflows based on time-independent radiation-driven wind theory. In: **Revista Mexicana de Astronomia y Astrofisica (SJR=0.6)** Vol. 47, 385-399.

8. Read, A.M., Rosen, S.R., Saxton, R.D., **Ramirez J.M.** (2011): A new comprehensive 2D model of the point spread functions of the XMM-Newton EPIC telescopes: spurious source suppression and improved positional accuracy. In: **Astronomy & Astrophysics (SJR=2.66)**, Volume 534, A34, 1-13.
9. Garcia, J., **Ramirez, J.M.**, Kallman, T.R., Witthoef, M., Bautista, M.A., Mendoza, C., Palmeri, P., Quinet, P. (2011): Modeling the Oxygen K Absorption in the Interstellar Medium: An XMM-Newton View of Sco X-1. In: **The Astrophysical Journal Letters (SJR=3.19)**, Volume 731, Issue 1, L15, 1-6.
10. **Ramirez, J.M.** (2008): Physical and kinematical properties of the X-ray absorber in the broad absorption line quasar APM 08279+5255. In: **Astronomy and Astrophysics (SJR=2.66)**, Volume 489, Issue 1, 2008, 57-68.
11. **Ramirez, J.M.**, Komossa, S., Burwitz, V., Mathur, S. (2008): Chandra LETGS Spectroscopy of the Quasar MR 2251-178 and Its Warm Absorber. In: **The Astrophysical Journal (SJR=2.68)**, Volume 681, Issue 2, 965-981.
12. **Ramirez, J.M.**, Bautista, M.A., Kallman T.R. (2005): Line Asymmetry in the Seyfert Galaxy NGC 3783. In: **The Astrophysical Journal (SJR=2.68)**, Volume 627, Issue 1, 2008, 166-176.
13. Ramirez, J.M., Bautista, M.A. (2002): Resolving resonances in R-matrix calculations. In: Journal of Physics B: **Atomic, Molecular, and Optical Physics (SJR=0.85)**, Volume 35, Issue 20, 4139-4146.
14. **Ramirez, J.M.**, Komossa S. (2010): High resolution observation of Ark 564: I. Time-average spectrum. In: International Conference on X-ray Astronomy-2009: Present Status, Multi-Wavelength Approach and Future Perspectives; AIP conference proceedings, Vol. 1248, 499-500.
15. **Ramírez, J.M.**, Komossa, S., Burwitz, V., Mathur, S. (2008): Chandra LETGS spectroscopy of ionized absorbers: The quasar MR2251-178. In: Symposium on the Nuclear Region, Host Galaxy and Environment of Active Galaxies; Huatulco, Oaxaca; **Revista Mexicana de Astronomia y Astrofisica (SJR=0.15)**: Serie de Conferencias, Vol .32, 120-122.

## **Book Chapters with peer review process:**

16. **Ramirez-Velasquez, J.M.**, Jaime Klapp, Russland Gabbasov, Fidel Cruz and Leonardo Di G. Sigalotti (2016): The impetus project: Using abacus for the high performance computation of radiative tables for accretion onto a galaxy black hole. Communications in Computer and Information Science. CCIS is abstracted/indexed in: DBLP, Google Scholar, EI-Compendex, Mathematical Reviews, SCImago, Scopus. (Accepted, in Press.).

17. **Ramirez-Velasquez, Jose M.**, (2016): Astrophysical Fluids of Novae: High resolution Pre-decay X-ray spectrum of V4743 Sagittarii. In: Recent Advances in Fluid Dynamics with Environmental Applications. Editors: Jaime Klapp, Leonardo Di G. Sigalotti, Abraham Medina, Lopez Abel, Gerardo Ruiz-Chavarra Springer International Publishing. p365-390. doi: 10.1007/978-3-319-27965-7\_27

18. **Ramirez-Velasquez, Jose M.**, (2016): X-ray outflows of active galactic nuclei warm absorbers: A 900 ks Chandra simulated spectrum. In: Recent Advances in Fluid Dynamics with Environmental Applications. Editors: Jaime Klapp, Leonardo Di G. Sigalotti, Abraham Medina, Lopez Abel, Gerardo Ruiz-Chavarra Springer International Publishing. p391-409. doi: 10.1007/978-3-319-27965-7\_28

19. **Ramirez, J.M.**, Rojas, S. (2014): Reproducing the X-Ray Soft Step @ 0.9 keV Observed in the Spectrum of Ark 564 Using Reflection Models. In: Computational and Experimental Fluid Mechanics with Applications to Physics, Engineering and the Environment, Environmental Science and Engineering, Springer International Publishing, p529-534. doi: 10.1007/978-3-319-00191-3\_38

20. Perez, L.F., **Ramirez, J.M.** (2014): Statistical Methods for the Detection of Flows in Active Galactic Nuclei Using X-Ray Spectral Lines. In: Computational and Experimental Fluid Mechanics with Applications to Physics, Engineering and the Environment, Environmental Science and Engineering, Springer International Publishing, p521-527. doi: 10.1007/978-3-319-00191-3\_37

## Other Publications

21. **Ramirez, J.M.** (2013): Reduced co-added LETGS spectrum of Ark 564. In: VizieR Online Data Catalog 355, 19095.
  
22. **Ramirez, J.M.**, Bautista, M.A. (2011): Kinematics from spectral lines for AGN outflows based on time-independent radiation-driven wind theory. In: The X-ray Universe 2011, Vol 1. Held at Berlin, Germany 2011, 272.
  
23. **Ramirez, J.M.** (2008): X-ray physical properties of the quasar APM 08279-5255. In: Mem. S.A.It. Vol. 79, 1197.
  
24. **Ramirez, J.M.** (2012): Reviewing the possible link between X-ray low- and high-velocity outflows in AGNs. In Proceedings of Nuclei of Seyfert galaxies and QSOs - Central engine & conditions of star formation (Seyfert 2012). 6-8 November, 2012. Max-Planck-Institut für Radioastronomie (MPIfR), Bonn, Germany. Online at <http://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=169>, id.72